Index of Claims

| Application | /Control | No. |
|-------------|----------|-----|
|-------------|----------|-----|

09/101,833

Examiner

Geoffrey S. Evans

Applicant(s)/Patent under Reexamination

HIRAMATSU, YASUJI

Art Unit

1725

| √ | Rejected |
|---|----------|
| 1 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim      | Date     |          |   |  |              | Clá          | aim  | Date     |          |          |          |  |          |          | 7       | Claim                                 |                 | Date    |        |  |            |                |                 |          |          |          |           |                |           |          |
|--|----------|----------|----------|---|--|--------------|--------------|--|----------|----------|----------|----------|--|----------|----------|---------|---------------------------------------|-----------------|---------|--------|--|------------|----------------|-----------------|----------|----------|----------|-----------|----------------|-----------|----------|
| Final  | Original | 2/20/07  |          |   |  |              |              |  |          |          | Final    | Original | -  |          |          |         |                                       |                 |         |        | Finat  | Original   |                |                 |          |          |          |           |                |           |          |
|  | 1        | 1        |          |   | T  | $\vdash$     | $\vdash$     | <u> </u>   |          |          |          | 51       |  | $\dashv$ | $\dashv$ | $\top$  | $\dagger$                             | $\Box$          | _       | 1      |  | 101        |                |                 | $\neg$   |          |          |           | $\dashv$       | $\dashv$  |          |
|  | 2        | √        |          |   | Π  | Ī            |              |  |          |          |          | 52       |  | $\neg$   |          |         | T                                     | П               | $\neg$  |        |  | 102        |                |                 |          |          |          |           | T              | ヿ         |          |
|  | 3        | √        |          |   |  |              |              |  |          |          |          | 53       |  |          |          |         |                                       |                 |         | ]!!!!  |  | 103        |                |                 |          |          |          |           |                | $\exists$ |          |
|  | 4        | √        |          |   |  |              |              |  |          |          |          | 54       |  |          |          |         |                                       |                 |         | ]      |  | 104        |                |                 |          |          |          |           |                | $\Box$    |          |
| <u> </u>   | 5        | =        |          |   |  |              |              |  |          |          |          | 55       |  | $\perp$  |          |         |                                       |                 |         |        |  | 105        |                |                 |          |          |          |           | $\Box$         | $\Box$    |          |
|  | 6        |          |          |   | <u> </u>   | L            |              | <u> </u>   |          |          |          | 56       |  | $\perp$  |          |         |                                       |                 |         | _      |  | 106        |                |                 |          |          |          |           |                |           |          |
|  | 7_       | =        | i        |   |  |              |              | <u> </u>   |          |          |          | 57       | Ш  | _        | 4        | _ _     | <u> </u>                              |                 |         | J::::  |  | 107        |                |                 |          |          |          |           |                |           |          |
|  | 8        | =        |          |   | <u> </u>   |              | ↓_           | ↓_   | _        |          |          | 58       |  | _        |          |         |                                       | Ш               |         | J      | L  | 108        | L              |                 |          |          |          | $\Box$    | $\dashv$       | _         |          |
|  | 9        | =        |          |   | ļ  | -            | ┡            | <u>_</u>   | _        |          |          | 59       | Ш  | $\perp$  | 4        |         | ļ                                     |                 | _       | 4      |  | 109        |                |                 |          |          |          |           | _              | $\dashv$  |          |
|  | 10       | 트        |          |   | ļ  | -            | _            | <u> </u>   |          |          | ļ        | 60       |  | _        | 4        | _       |                                       |                 |         | 4      | <u> </u>   | 110        |                | $\Box$          |          |          |          |           |                | _         |          |
| ļ  | 11       | =        |          |   | ļ  |              | <u> </u>     | <u> </u>   | <u> </u> |          |          | 61       | Ш  |          | 4        |         | ļ                                     |                 |         | 4      |  | 111        | L.             |                 |          |          |          |           | _              | _         | _        |
| <u> </u>   | 12       | <u> </u> | L        |   |  | <del> </del> | $\vdash$     | ऻ_   | <u> </u> | <u> </u> |          | 62       | $\sqcup$   | 4        | $\perp$  |         | ļ                                     | <b>  </b>       |         | -      | <u> </u>   | 112        | Ш              | Ш               |          | Щ        |          |           |                | _         | _        |
| <u> </u>   | 13       | <u> </u> | <u> </u> |   | ├  |              | $\vdash$     | -  |          | <u> </u> |          | 63       | $\vdash$   | -        | -        | +-      | $\vdash$                              | Н               | _       | 4      | <u> </u>   | 113        |                | Щ               |          | Щ        |          | Щ         | _              | _         | _        |
|  | 14       | <u> </u> | <b> </b> | _ | ├  | ┼            | -            | 1  |          | <u> </u> |          | 64       | $\vdash$   | $\dashv$ | - -      | 4-      |                                       |                 |         | 4      | <u> </u>   | 114        |                | Щ               |          | $\vdash$ |          | $\Box$    |                | _         | _        |
| $\vdash$   | 15       |          |          |   | <del> </del>                                     | -            | ┢            | ₩  |          | -        |          | 65       | $\vdash$   |          | -        | +       | ₽                                     | $\vdash$        | +       | 4      | <u> </u>   | 115        | _              |                 |          | Н        |          | $\vdash$  | $\dashv$       | $\dashv$  | _        |
|  | 16       | _        |          |   |  | -            | ┢            | ┢  |          | _        | <u> </u> | 66       | ┞╼┼  | _        |          | -       | -                                     | $\vdash$        | -       | -      | ļ  | 116        | Н              | ш               |          |          |          | $\dashv$  | $\dashv$       | $\dashv$  | 4        |
|  | 17<br>18 |          |          |   | -  | ╁            | ╁            | ⊢  | $\vdash$ | _        |          | 67       |  | -        | -+       | -       | ₽                                     | $\vdash$        | -       | -      |  | 117        | $\vdash$       |                 |          |          |          | -         | $\dashv$       | $\dashv$  | _        |
|  | 19       |          | -        |   | <del> </del>                                     | ┼            | ╁            | ╀  |          |          |          | 68       | -  | -        |          |         | $\vdash$                              | $\vdash$        | +       | -      | <u> </u>   | 118        | $\vdash$       | Н               |          | Н        |          |           | $\dashv$       | $\dashv$  | -        |
|  | 20       |          | $\vdash$ | _ | ┢  | +            | ╁            | ┢  | -        | -        |          | 69<br>70 | ┝┯   | -        | +        | -       | ╁                                     | ╁┈┤             | -       | -      |  | 119<br>120 |                | Н               | _        |          |          |           | $\dashv$       | $\dashv$  |          |
| -  | 21       | 1        |          |   | <del> </del>                                     | <del> </del> | ╁            | ╁  | -        | -        |          | 71       | ├┼   | -        | +        |         | +                                     | $\vdash$        | +       | -{:::: | -  | 121        | -              | -               |          | -        |          | -         | $\dashv$       | $\dashv$  | $\dashv$ |
| _  | 22       | 1        |          |   | -  | ╁            | ╁            |  | H        | -        |          | 72       | <del>                                     </del> | $\dashv$ | +        | +       | +                                     | $\vdash$        | +       | -      |  | 122        | Н              | -               |          | Н        |          |           | $\dashv$       | $\dashv$  | -        |
| $\vdash$   | 23       | V        | H        |   | ╁┈   | +-           | ╁            | $\vdash$   | -        |          | <u> </u> | 73       | -  | +        | -        | +-      | H                                     | H               | +       | -      |  | 123        | $\vdash$       | Н               |          |          |          |           | $\dashv$       | $\dashv$  | $\dashv$ |
|  | 24       | V        | -        |   | <del>                                     </del> | +            | $\vdash$     | $\vdash$   |          |          |          | 74       | $\vdash$   |          | +        | +       | +                                     | Н               | +       | ┨┈     | $\vdash$   | 124        | -              | Н               | _        | Н        |          | $\dashv$  | $\dashv$       | $\dashv$  | $\dashv$ |
| _  | 25       | V        | _        | _ | t  | T            |              | $\vdash$   |          | _        | _        | 75       | $\vdash$   | $\dashv$ | $\dashv$ | +       | +                                     | $\vdash$        |         | 1      |  | 125        |                |                 |          |          |          |           | $\dashv$       | $\dashv$  |          |
|  | 26       | V        |          |   | <u> </u>   | 1            | t            |  |          | -        |          | 76       | Н  | +        | +        | +       | +-                                    | $\vdash$        | _       | 1      |  | 126        | H              |                 |          | Н        |          |           | $\neg \dagger$ | -+        |          |
|  | 27       | 1        |          |   | <u> </u>   |              |              | <u>†                                      </u>   |          |          |          | 77       | H  | 1        | ✝        |         | T                                     | $\Box$          | _       | 1      |  | 127        |                |                 |          |          |          | $\dashv$  | 一              | 一         | $\neg$   |
|  | 28       | √        |          |   | t  |              | T            | T  |          |          |          | 78       |  | 1        | $\top$   | 1       | 1                                     |                 |         | T      |  | 128        | П              | -               |          |          |          | $\neg$    | $\dashv$       | 7         | _        |
|  | 29       | 1        |          |   |  |              |              |  |          |          |          | 79       | П  | 1        | 寸        |         | 1                                     |                 |         | 1      |  | 129        |                |                 |          |          |          |           | 一              | ヿ         |          |
|  | 30       | V        |          |   |  |              |              | İ  |          |          |          | 80       | П  | İ        | T        | 1       |                                       |                 |         | 7      |  | 130        |                |                 |          |          |          |           | $\neg$         | ヿ         |          |
|  | 31       | 1        |          |   |  |              |              |  | Г        |          |          | 81       | П  |          |          | 1-      | T                                     | П               |         |        |  | 131        |                |                 |          |          |          |           | $\neg$         | $\neg$    |          |
|  | 32       | 1        |          |   |  |              |              |  |          |          |          | 82       |  |          |          |         |                                       |                 |         |        |  | 132        |                |                 |          |          |          |           | $\Box$         | $\Box$    |          |
| <u> </u>   | 33       | 1        |          |   |  |              | L            |  |          |          |          | 83       |  |          |          |         |                                       |                 |         |        |  | 133        |                |                 |          |          |          |           |                | $\Box$    |          |
| L  | 34       | √        |          |   | <u> </u>   | _            | $\perp$      | _  | <u>L</u> |          |          | 84       |  |          |          |         | <u> </u>                              | $\Box$          |         |        |  | 134        |                |                 |          |          |          |           | ot             | $\Box$    |          |
|  | 35       | L.       |          |   | _  | <u> </u>     | 1            | <u> </u>   | $\Box$   |          |          | 85       |  |          |          |         |                                       | $\square$       |         | _      |  | 135        |                |                 |          |          |          |           | $\Box$         | $\Box$    |          |
| L  | 36       | <u> </u> | Ш        |   | <u> </u>   | $\perp$      | 1            | <u> </u>   | $\perp$  | L.,      |          | 86       | Ш  | $\perp$  |          |         |                                       |                 |         | 4      | <u> </u>   | 136        | Ш              | Ш               |          | Ш        |          | Ш         | $\perp$        | $\perp$   |          |
| L  | 37       |          | Ш        |   |  | <u>L</u>     | _            | <u> </u>   | <u> </u> |          |          | 87       | Щ  |          | $\perp$  | $\perp$ | _                                     |                 | $\perp$ | 4      | <u> </u>   | 137        | Ш              | Ш               |          | Ш        |          |           |                |           |          |
|  | 38       | <u> </u> | <u> </u> |   | <u> </u>   | ↓_           | ↓_           | ļ  | _        |          |          | 88       | $\sqcup$   | _        | _        | $\perp$ | <b> </b> _                            | Ш               | _       | 4      | ļ  | 138        | Ш              | Ш               |          | Ш        |          | Ш         |                |           | $\dashv$ |
| <u> </u>   | 39       | _        | Ь.,      |   | <u> </u>   | ↓            | <del> </del> | <u> </u>   | $\vdash$ |          |          | 89       | $\sqcup$   | $\dashv$ | $\dashv$ | _       | ↓_                                    | $\sqcup$        |         | 4      | <u> </u>   | 139        | Ш              | Ш               |          | Ш        |          | $\Box$    | _              |           | _        |
| ļ  | 40       | <u> </u> | <u> </u> |   | <del> </del>                                     |              | 1            | <u> </u>   | $\vdash$ | Ļ.,      |          | 90       | $\vdash \downarrow$                              |          | _ _      |         | ـــــــــــــــــــــــــــــــــــــ | <b> </b>        |         | 4::::  |  | 140        |                | Щ               |          | Щ        |          | $\square$ |                | _         |          |
|  | 41       | <u> </u> | <u> </u> |   | -  |              | 1            | <u> </u>   | $\vdash$ |          |          | 91       | $\vdash \vdash$                                  | $\dashv$ | +        | -       | ₩                                     |                 |         | 4      | <u> </u>   | 141        | $\vdash$       | Ш               |          | Ш        |          | $\square$ |                |           | _        |
| -  | 42       | <u> </u> | _        |   | $\vdash$   | -            | $\vdash$     | <u> </u>   |          |          | -        | 92       | $\vdash \vdash$                                  | -        | +        | +       | ₩.                                    | $\vdash$        |         | 4      |  | 142        |                |                 |          | Щ        |          |           | $\dashv$       | -         | _        |
|  | 43<br>44 | <u> </u> | <u> </u> |   | -  |              | ₩            | <u> </u>   | $\vdash$ | _        |          | 93       | $\vdash \vdash$                                  | +        | +        | 4       | +-                                    | $\vdash$        |         | -      |  | 143        | $\sqcup$       | Ш               |          | Н        |          | $\Box$    | -              | -         | _        |
|  | 45       | <u> </u> | _        |   | -  | ┼            | ╀            | ├  | $\vdash$ |          |          | 94<br>95 | $\vdash \vdash$                                  | +        | +        | +       | ┼                                     | $\vdash$        | +       | -      | <u> </u>   | 144        | Н              | Н               |          | Н        | -        | $\dashv$  | $\dashv$       | $\dashv$  | 긕        |
| <b>—</b>   | 46       | <u> </u> | -        | _ | $\vdash$   | $\vdash$     | +-           | -  | $\vdash$ |          |          | 96       | $\vdash \vdash$                                  | $\dashv$ | +        | +       | +-                                    | $\vdash$        | _       | -      | $\vdash$   | 145        | $\vdash$       | Н               | $\vdash$ | $\vdash$ | $\vdash$ | $\dashv$  | -+             |           | $\dashv$ |
| <b></b> -  | 47       | $\vdash$ | $\vdash$ |   | $\vdash$   | -            | ╁            | $\vdash$   | $\vdash$ | <u> </u> |          | 96       | $\vdash$   | +        | +        | +       | +                                     |                 |         | -      | -  | 146<br>147 | Н              | Н               |          | H        | $\vdash$ |           | $\dashv$       | -         | $\dashv$ |
| <b></b> -  | 48       | $\vdash$ |          |   | $\vdash$   | ┢            | ╂            | $\vdash$   | $\vdash$ | _        |          | 98       | $\vdash \vdash$                                  | +        | ╁        | +       | ╁                                     | $\vdash$        |         | -      | ├  | 148        | $\vdash$       | $\vdash$        | $\vdash$ | $\vdash$ | $\vdash$ |           | $\dashv$       | -         |          |
| <del>                                     </del> | 49       | -        | Н        |   |  | ╁╌           | +            | $\vdash$   | $\vdash$ | _        |          | 99       | -  | +        | +        | +       | $\vdash$                              | $\vdash$        |         | 1      |  | 149        | $\vdash\vdash$ | $\vdash \dashv$ |          | $\vdash$ | -        | -         | $\dashv$       | -         | $\dashv$ |
|  | 50       |          | $\vdash$ | _ | $\vdash$   | T            | 1-           | <del>                                     </del> | $\vdash$ | _        |          | 100      | $\dashv$   | +        | +        | +       | $\vdash$                              | $\vdash \vdash$ |         | 1      | <del>                                     </del> | 150        | Н              | $\vdash$        | -        | $\vdash$ | $\vdash$ |           | $\dashv$       | $\dashv$  | $\dashv$ |
|  |          |          |          |   |  | 1            |              |  |          | _        | <br>     |          | ᅩ  | 1        | L        |         |                                       | 1 1             | i       |        |  | 1 100      |                |                 |          |          |          |           |                |           |          |